

Claims

1. Polypeptide mediating cell permeability (CPP), wherein CPP comprises the following amino acid sequence:

X o i i o X X i o X i X

in which

X = variable amino acid (hydrophilic, hydrophobic
or with charged side groups)

o = hydrophobic amino acid

i = hydrophilic amino acid

wherein CPP is no native HBV surface protein.

2. The polypeptide mediating cell permeability (CPP) according to claim 1, wherein CPP comprises the amino acid sequence of figure 1 or an amino acid sequence differing therefrom by one or more amino acids and is no native HBV surface protein and wherein the DNA sequence of the latter amino acid sequence hybridizes with the DNA of figure 1.
3. A nucleic acid, coding for CPP according to claim 1 or 2.
4. The nucleic acid according to claim 3, wherein the nucleic acid is a DNA.
5. A DNA according to claim 4, comprising:
 - (a) the DNA of figure 1 or a DNA differing therefrom by one or more base pairs, wherein the latter DNA

Sub
B1

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hybridizes with the DNA of figure 1 and does not code for a native HBV surface protein, or

(b) a DNA related to the DNA of (a) via the degenerated genetic code.

- Sub B2
6. ~~An expression plasmid, comprising the nucleic acid according to claim 3, 4 or 5.~~
 7. A transformant, containing the expression plasmid according to claim 6.
 8. A method of preparing CPP, comprising culturing the transformant according to claim 7 under suitable conditions.
 9. ~~An antibody directed against CPP according to claim 1 or 2.~~
 10. ~~Use of CPP according to claim 1 or 2 for mediating cell permeability to substances.~~
 11. ~~Use according to claim 10, wherein the substances comprise polypeptides, nucleic acids and chemical compounds.~~
- Sub B2